

**Title 33**  
**ENVIRONMENTAL QUALITY**  
**PART XV. Radiation Protection**

**Chapter 6. X-rays in the Healing Arts**

**§605. Fluoroscopic X-ray Systems**

A. All fluoroscopic x-ray systems shall be image intensified and meet the following requirements:

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[See Prior Text in A.1 - 3.a.i]

- (a). during recording of fluoroscopic images; ~~or~~
- (b). when an optional high level control is provided.

When so provided, the equipment shall not be operable at any combination of tube potential and current that will result in an exposure rate in excess of 5 roentgens (1.29  $\mu\text{C/kg}$ ) per minute at the point where the center of the useful beam enters the patient unless high level control is activated. Special means of activation of high level controls shall be required. The high level control shall be operable only when continuous manual activation is provided ~~only~~ by the operator. A continuous signal audible to the fluoroscopist shall indicate that the high level control is being employed; or

(c). when optional high level control is provided on equipment manufactured after May 19, 1995. When so provided, the equipment shall not be operable at any combination of tube and current that will result in an exposure rate in excess of 10 roentgens (2.58  $\mu\text{C/kg}$ ) per minute at the point where the center of the useful beam enters the patient, unless the high level control is activated. Special means of

activation of high level control shall be required. The high level control shall only be operable when continuous manual activation is provided by the operator and the equipment shall not be operable at any combination of tube and current that will result in an exposure rate in excess of 20 roentgens (5.16  $\mu\text{C/kg}$ ) per minute at the point where the useful beam enters the patient. A continuous signal audible to the fluoroscopist shall indicate that the high level control is being employed.

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[See Prior Text in A.3.a.ii - 10.b]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Nuclear Energy Division, LR 13:569 (October 1987), amended Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 19:1421 (November 1993), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26